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Granite State Clean Cities Coalition (GSCCC) June 2018 Newsletter

Hi everyone & Happy Summer! Thank you for being a valued Granite State Clean Cities Coalition (GSCCC) stakeholder and staying connected. Enjoy the newsletter and don't hesitate to reach out to me and let me know what's going on in your alt fuel world! ~ Jessica (Jessica.Wilcox@des.nh.gov – (603) 271-6751)

Events Calendar:

July 11, 2018 – **NHDES Open House at Concord Air Monitoring Station** – From 10 AM to 12 PM at the NHDES Concord Air Monitoring Station, 29 Hazen Drive, Concord, NH. Banks Chevrolet will be bringing an electric car and we will also have an electric lawn and garden equipment demo – stop by and check it out! – **More on this?? Tour of the station? --**

August 21 – 23, 2018 – **[Energy Exchange / Better Buildings Summit 2018](#)** - This training event and trade show speaks to the challenges and opportunities of fleet management, web tools, data sources, and alternative fuel technology.

October 15, 2018 – **[AltWheels Fleet Day](#)** – This annual event is designed to present and educate about the latest in transportation technologies, alternative fuels and fleet management practices.

5th Biennial *Green Your Fleet!* Workshop is "Best Ever!"

The Granite State Clean Cities Coalition's *Green Your*

Fleet! workshop was held on Friday, June 1st. This year's event set records for attendance, number of vehicles exhibited and sponsorship support.

The Coalition partnered with the NH Motor Speedway and NH Auto Dealers Association to hold the workshop on the Speedway infield. The event drew over 200 attendees, many of whom took the opportunity to Ride & Drive alternative fuel and advanced technology vehicles *on the racetrack*.

Opening remarks given by Senator David Watters and keynote speaker Jamie Page Deaton inspired the crowd. Panel presentations and afternoon breakout sessions on compelling topics like electric & autonomous vehicles, propane & compressed natural gas, and telematics rounded out the day.

Coalition stakeholders and area dealerships provided an impressive array of electric vehicles and exhibited the latest in alternative fuel trucks and buses. Over 20 sponsors set up exhibit tables and talked to attendees. We also had a special Exhibitor Passport raffle for attendees who obtained initials from all of the exhibitors ... congratulations to Michael Fonner, winner of the raffle prize ... a 2-port car charger!

I think it's safe to say that this year's **Green Your Fleet!** event crossed the finish line in first place! ***Check out the **Green Your Fleet!** video on our [Facebook page!](#)

Alternative Fuel Spotlight: "Why Everyone Should Care About NOx"

Todd Mouw, Vice President of sales and marketing for ROUSH CleanTech, recently shared the following article:

"Over the last few years, there has been a lot of discussion about NOx — or nitrogen oxides — and the negative impact it has on many levels within our society. The problem was brought to light in 2014 when West Virginia University released its report on Volkswagen diesel engines that significantly exceeded the allowable threshold for NOx.

Since it's summer and baseball season is in full swing, let's go back to first base and explain what NOx is all about. NOx is the generic term for a group of highly reactive gases, all of which contain nitrogen and oxygen in varying amounts. They form when fuel is burned at high temperatures. NOx contributes to numerous environmental problems, such as acid rain, climate change, deteriorated water quality and smog. NOx also causes negative health issues. Exposure to these tiny soot particles and toxic gases can cause headaches, fatigue, lung irritation and more.

The primary source of NOx is motor vehicles. Approximately 55 percent of man-made NOx emissions come from motor vehicles.

According to a University of California Riverside study, diesel-fueled medium- and heavy-duty vehicles are the number one source of NOx emissions in almost every single metropolitan region in the U.S. The same study shows that a diesel engine can emit up to four times more NOx than its Environmental Protection Agency emissions standard during a full-duty cycle.

How do we, in both the public and private sectors, help lower these harmful emissions from our fleets? One readily available solution is fueling your fleet vehicles with propane autogas. Propane autogas is naturally much lower in NOx than diesel and gasoline. For heavier-duty engines fueled by propane autogas, NOx is reduced by about 60 percent compared with conventional diesel engines. Propane autogas vehicles emit about 20 percent less nitrogen oxide than gasoline vehicles.

NOx emissions are regulated under EPA standards because they are known to be harmful to human health and to air quality. For example, ROUSH CleanTech has developed an engine to meet even stricter standards set by the California Air Resources Board. The company's 2017MY and newer 6.8L V10 3V propane engines have the lowest NOx levels of any engine in class 4-7 vehicles and are certified at .05 g/bhp-hr. The engines are 75 percent cleaner than the EPA standard of 0.20 g/bhp-hr.

There is \$2.9 billion in funding from the Volkswagen Environmental Mitigation Trust to pay for transportation projects that reduce NOx emissions. School buses and transit options equipped with low NOx engines qualify for funding under this settlement, depending on how each beneficiary chooses to allocate these funds. Read more about the EMT [here](#).

To learn more about ROUSH CleanTech's alternative fuel vehicle technology that powers school buses and Ford commercial vehicles, please visit www.roushcleantech.com. "

Funding Opportunity: Matching Funds Available to Showcase Biodiesel Use

I recently received this funding opportunity from the National Biodiesel Board:

"If you power your fleet or vehicles with biodiesel, we want to help you share your commitment to cleaner air. Let your community and customers know that you care about the environment by [applying](#) for matching funds to be used for promotional vehicle wraps.

On a first-come first-serve basis as funding remains available, the National Biodiesel Board (NBB) will share half of the actual costs for vehicle decals or wraps promoting biodiesel on diesel vehicles. To qualify, biodiesel users **must be recommended by an NBB member**. Selection criteria will include parallel promotion commitments, visibility, project scope and potential influence. We

invite you to [apply](#) now and promote your commitment to America's Advanced Biofuel. Feel free to share this opportunity with biodiesel users you know.

Size and Wording Requirements

- There is no size requirement for the final image to be included on vehicles.
- The final product must include the word biodiesel in any format.
- The phrase America's Advanced Biofuel must appear, in any size, on the final product. This can also be in the context of cleaner burning, renewable, sustainable, green etc. as determined by the user's needs/goals.

Responsibilities of Selected Biodiesel Users

- The biodiesel user is responsible to develop artwork and handle all printing and/or wrapping details. NBB must approve the artwork for the costs to qualify. The biodiesel user and any designers (if applicable) are responsible to ensure all images are original and have no trademark liabilities.
- NBB must be included in any events or marketing pieces related to the placards/wraps. Participants must tout carbon reduction through biodiesel in a news release or public announcement and must provide a photo of the finished vehicle/s to NBB for additional promotions.

Matching Fund Requirements

- The maximum contribution is \$10,000 per biodiesel user depending on the scope of the project and number of vehicles wrapped/decals purchased. Documentation is required if the recipient is reimbursed, or NBB can pay the vendor directly.

Please complete the [application](#) by July 16, 2018. Contact Melissa Narins, melissa@kcegroup.com, with any questions."

New Tool: Heavy-Duty Vehicle Emissions Calculator

The U.S. Department of Energy (DOE) Vehicle Technologies Office's

(VTO's) Technology Integration Program recently announced a new online tool the [Heavy-Duty Vehicle Emissions Calculator](#), developed by Argonne National Laboratory, powered with data from GREET, AFLEET, and EPA-MOVES. The tool has features that can assist organizations that are considering options under the VW settlement and can calculate results for three project types allowable under the Environmental Mitigation Trust Settlement:

- Scrappage – purchasing new alternative fuel versus new diesel, plus additional benefit from early retirement of the scrapped vehicle.
- Repower – vehicle after repower versus diesel before repower.
- Clean Vehicle Replacement – new alternative fuel versus diesel.”

Visit the [Office of Strategic Initiatives' Volkswagen Settlement](#) webpage to stay on top of updates to the NH Beneficiary Mitigation Plan.

Thank you for reading! If there's something you'd like to see, say or share regarding current or future newsletters, drop me a line: Jessica.Wilcox@des.nh.gov

NH Department of Environmental Services
29 Hazen Drive
Concord
New Hampshire
03302
United States

NH Department of Environmental Services
29 Hazen Drive PO Bo
Concord New Hampshire 03302
United States

